

IN THE CLAIMS:

Please amend claims 1-6, 8, 10-12 and 14-15 as follows:

1. (Currently Amended) A method for displaying a dendrogram comprising the steps of:
clustering a plurality of biopolymers based on a set of gene expression data obtained by experiments under different conditions on the plurality of biopolymers, and displaying clustering results thereof in a form of a dendrogram in a display window;
selecting a subtree in the dendrogram in the display window; [[and]]
displaying the selected subtree [[on]]in a separate display window; [[thereby]]
grouping biopolymers in the selected subtree in the separate display window into at least one function group sharing a common one of functional characteristics including enzymatic, metabolic, transporting, and cell cycle functions; and
displaying said function group of biopolymers in the separate display window.
2. (Currently Amended) A method for displaying a dendrogram according to claim 1, further comprising the steps of:
designating a different clustering method for said grouping step biopolymers included in the subtree displayed on the separate window; and
~~secondarily clustering the biopolymers included in the subtree according to the designated clustering method; and~~
~~displaying the secondarily clustering results thereof in a form of a dendrogram.~~
3. (Currently Amended) A method for displaying a dendrogram comprising the steps of:
clustering a plurality of biopolymers based on a set of gene expression data obtained by experiments under different conditions on the plurality of biopolymers, and displaying clustering results thereof in a form of a dendrogram in a display window;
selecting a subtree in the dendrogram in the display window; [[and]]
replacing the selected subtree with an icon in the dendrogram thereby simplifying a presentation in the display window; [[thereby]]